

Figure 1: Testosterone biosynthetic pathway

				(A)	Cases	47 (.62)	6 (.08)	7 (.09)	16 (.21)
				Frequency (AA)	Controls	50 (.66)	5 (.07)	3 (.04)	18 (.24)
				cy (EA)	Cases	475 (.60)	208 (.26)	79 (.10)	32 (.04)
				Frequency (EA)	Controls	494 (.57)	253 (.29)	85 (.10)	42 (.05)
	¥			cy (all)	Cases	527 (.60)	216 (.25)	86 (.10)	51 (.06)
24	7			Frequency (all)	Controls	547 (.57)	259 (.27)	91 (.09)	63 (.07)
		Ð<094	3: IASE +	NP0	S	ပ	တ		
	∇	83C>T	5: IVS2 -	NP2	S	ပ		•	
		J <a301< td=""><td>+ 28VI :7</td><td>ИЬ0.</td><td>S</td><td>∢</td><td>ပ</td><td>•</td><td></td></a301<>	+ 28VI :7	ИЬ0.	S	∢	ပ	•	
		1<⊃66	- ISVI :8	Nb0	s	ပ	H	•	
		∀<Ð99Þ-	+ r8Vi :0	NP2	S	ပ		•	
A1		∀<92Þ-	+	0dN	S	ပ	—	-	posite
7 7	<u>2</u>	0) <t46- :9<="" td=""><td>NP2</td><td>S</td><td><u> </u></td><td>ပ</td><td>ပ</td><td>Composite</td></t46->	NP2	S	<u> </u>	ပ	ပ	Composite
CYP17A1						Hap1	Hap2	Нарз	Hap4
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Figure 2A

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**	Frequency (AA)	13 (.17)	2 (.03)	6 (.08)	5 (.07)	50 (.66)
	Frequer Controls	16 (.21)	1 (.01)	4 (.05)	10 (.13)	45 (.59)
	ncy (EA) Gases	577 (.73)	59 (.07)	58 (.07)	19 (.02)	81 (.10)
	Frequency (EA)	629 (.72)	64 (.07)	59 (.07)	34 (.04)	88 (.10)
	cy (all)	596 (.68)	62 (.07)	64 (.07)	25 (.03)	133(.15)
	Frequency (all) Controls Cases	(651 (.68)	65 (.07)	63 (.07)	45 (.05)	136 (.14)
	SNP15: stop +2204G>C	ပ	٠ (ပ ()	
H	T <a6681+ :809n2<="" qots="" th=""><th>∢</th><th>٠ ١</th><th>- F</th><th>-</th><th>•</th></a6681+>	∢	٠ ١	- F	-	•
24.	SNP25: stop +1454C>T	ပ	•	•	•	
	SNP24: stop +766 delT	⊢	. (<u>ა</u>	ס	
7	SNP13: IVS7 -202C>T	ပ	٠ ١	- ⊦	-	
⊲	5 <t45+ 12vi="" :109n2<="" th=""><th>-</th><th>•</th><th>. (</th><th>פ</th><th></th></t45+>	-	•	. (פ	
	SNP11:-392A>G	∢	•	٠ ر	ס	
A4 bp	SNP12: -747C>G	ပ	O	•	•	Hap5 Composite
CYP3A4 37 073 bp	SNP47: -1232C>T	<u> </u>	•	·		<u>8</u>
C 37		Hap1	Hap2	Hap3	Hap4	Hap5

	Frequenc	Confrole
15: stop + 9301G>C	ч	s

SNP13: stop + 3059G>A

SNP01: stop + 1552G>A

SNP12: IVS2 + 626C>T

SNP20: V89L (265G>C)

SNP22: A49T (145G>A)

SNP26: - 3001G>A

SNP17: - 8029C>T

Hap2

Нар3

Hap4

Нар5

Hap6

Frequency (all)	ıcy (all)	Frequer	Frequency (EA)	Freque
Controls	Cases	Controls	Cases	Controls
376 (.39)	348 (.40)	352 (.40)	321 (.40)	19 (.25)
218 (.23)	212 (.24)	206 (.24)	197 (.25)	11 (.14)
108 (.11)	84 (.10)	102 (.12)	81 (.10)	(80.) 9
73 (.08)	73 (.08)	70 (.08)	(80.) 59	•
41 (.04)	42 (.05)	41 (.05)	42 (.05)	ı
32 (.03)	27 (.03)	19 (.02)	20 (.03)	13 (.17).
112 (.12)	94 (.10)	84 (.10)	(60.) 89	27 (.36)

3 (.04)

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Frequency (AA)

Hap7

SRD5A2 76 341 bp